Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/02/2021 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125896	0	2.08	126000	2.06
Blue	F	SSC	125000	124441	-1	3.31	125509	3.15
Blue	E	FITC	14203	13804	-3	2.71	300	15.31
Blue	D	PE	25703	25408	-2	2.38	551	11.00
Blue	B	PerCP-Cy5-5	42104	41172	-3	3.25	918	14.78
Blue	A	PE-Cy7	34646	34510	-1	4.53	491	29.74
Red	C	APC	49824	49101	-2	2.97	1510	11.46
Red	A	APC-Cy7	39773	38997	-2	3.01	726	11.78
Violet	B	V450	7447	7134	-5	3.68	394	12.98
Violet	A	V500	31193	30009	-4	3.45	679	10.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22328	2.40	551	-5	N/A	N/A	Pass
Blue	F	SSC	54334	2.74	513	1	N/A	N/A	Pass
Blue	E	FITC	56	51.89	485	-1	0.0393	75	Pass
Blue	D	PE	108	40.43	487	2	0.3555	298	Pass
Blue	B	PerCP-Cy5-5	174	37.06	579	2	0.0191	83	Pass
Blue	A	PE-Cy7	111	65.68	624	4	0.0215	4	Pass
Red	C	APC	350	23.44	567	0	0.0270	32	Pass
Red	A	APC-Cy7	202	25.59	545	1	0.0066	1362	Pass
Violet	B	V450	89	40.77	444	-5	0.0416	1273	Pass
Violet	A	V500	120	28.83	462	-5	0.0237	536	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.41	1.11
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.69	15.99 - 23.99	N/A	N/A	29.62	30.03	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12512

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments